

Listing of Claims:

Claims 1-10 (Canceled).

11. (Currently Amended) A sample chip analyzing device comprising:

a waveguide plate which entirely reflects and guides waveguides incident light, and which includes a surface on which a number of sampling probes are fixed, the sampling probes being coupled that are connectable to samples to be analyzed that are labeled with a fluorescent substance;

10 a light source, provided in a light-shielding box having an opening into which an end portion of the waveguide plate is inserted in a light-shielded state, for irradiating introducing fluorescent pumping excitation light onto an end face of into the waveguide plate through the end portion of the waveguide plate inserted into the light-shielding box; and

15 a pickup member for picking up an image of substantially an entire surface of the waveguide plate, and outputting picked-up data of fluorescence;

20 wherein the fluorescent substance labeled on the samples coupled to the probes is excited to be analyzed are labeled with fluorescent substances that are fluorescence pumped by an evanescent wave which occurs when generated when the waveguide

plate wave-guides the fluorescent ~~pumping excitation~~ light from the light source is irradiated onto the end face of the end portion of the waveguide plate and enters into an interior of the waveguide plate, and ~~to be~~ entirely reflects the fluorescent excitation light reflected and guided; and

wherein the samples are analyzed by detecting respective ones of the sampling probes that are coupled to ~~the fluorescence-pumped fluorescent substances~~ of the labeled samples, based on the picked-up data of fluorescence outputted by the pickup member.

12. (Previously Presented) The sample chip analyzing device according to claim 11, wherein the waveguide plate comprises a glass substrate.

13. (Previously Presented) The sample chip analyzing device according to claim 11, wherein the waveguide plate comprises a pair of spaced apart insulation reflection plates arranged opposite to each other.